

# Material

## 75 Fluoroprene XP41

powder blue

cross linking: peroxidic

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### Physical properties

	nominal range	typical values	
<b>Density</b> DIN EN ISO 1183-1, 23 °C	2.00 ±0.03	2.02	g/cm <sup>3</sup>
<b>Hardness</b> DIN ISO 7619-1, Shore A, 23 °C	75 ±5	77	Shore
<b>Modulus</b> 100 %, DIN 53504, S2, 23 °C	---	5.9	MPa
<b>Tensile strength</b> DIN 53504, S2, 23 °C	> 18	19.5	MPa
<b>Elongation at break</b> DIN 53504, S2, 23 °C	> 250	306	%
<b>Compression set</b> DIN ISO 815, Slab B, 24 h, 175 °C, 25 %	< 30	23	%
<b>Compression set</b> DIN ISO 815, Slab B, 24 h, 150 °C, 25 %	---	19	%
<b>Compression set</b> DIN ISO 815, Slab B, 70 h, 150 °C, 25 %	---	20	%
<b>Surface resistivity</b> DIN EN 62631-3-1 (VDE 0307-3-1) Ausgabe 2016, 50 %, 23 °C	---	5,1 E +11	Ohm
<b>Durchgangswiderstand</b> 500 V, 23 °C, 50 %	---	>1,0 E +13	Ohm

### Temperature range

-15°C to 200°C

### Declarations of conformity

This overview is purely informative and does not constitute a declaration of conformity (DoC). Please refer to the actual declaration of conformity (DoC) including the conditions and its validity period.

	Country	Part	Remark	Expires
(EG) 1935/2004	EU		food	see DoC
(EG) 2023/2006 (GMP)	EU		(EG) 2023/2006 (GMP)	see DoC
3-A Sanitary	USA	Seals	Class I	12 / 2027
ADI Free			see certificate	see DoC

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	Country	Part	Remark	Expires
BFR XXI, Kat 4	DE		food	see DoC
BNIC (Cognac)	F	Seals		see DoC
BPA/Phthalate free			BPA/Phthalate free	see DoC
CMR Category 1A/1B free			see certificate	see DoC
Cytotoxicity USP chapter 87 & 88 (class VI)	-	Seals		09 / 2026
Decree of 21. March 1973	IT	machined seals	food	11 / 2026
Decree of 21. March 1973	IT	O-Ring	food	09 / 2025
Decree of 21. March 1973	IT	Seals	food	01 / 2026
FDA	USA	Seals	§ 177.2600	see DoC
Info ROHS and ELV			EU 2000/53 (ELV) including EU 2011/65 and EU2015/863 (ROHS III)	see DoC
NSF 51	USA	Seals	food	see DoC

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**No ASTM D2000 properties available**

#### **Specific characteristic and limitations for the use in food contact are set out in the corresponding declaration of conformities.**

The given values are based on a limited number of tests on standard test pieces (2mm sheets) produced in the laboratory. The data from finished parts can deviate from above values depending on the manufactories process and the component geometry.

The data represents our present empirical values. It is incumbent on the person placing the order to examine whether it is suitable for its intended purpose, before using the product. All questions regarding the guarantee of this product are in line with our terms and conditions, inasmuch as statutory provisions do not plan for something else.

#### **Freudenberg**

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